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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.  | CONFIRMATION NO. |
|--|-------------|----------------------|--|------------------|
| 10/042,910   | 01/09/2002  | Raymond Fallon       | 18133-095  | 4528             |
| <div>7590 04/19/2007<br/>Marianne M. Downing, Esq.<br/>Mintz, Levin, Cohn, Ferris,<br/>Glovsky and Popeo, P.C.<br/>One Financial Center<br/>Boston, MA 02111</div> |             |                      | <div>EXAMINER<br/>TRAN, MYLINH T</div> <div>ART UNIT 2179 PAPER NUMBER</div> |                  |
| SHORTENED STATUTORY PERIOD OF RESPONSE   |             | MAIL DATE            | DELIVERY MODE  |                  |
| 3 MONTHS   |             | 04/19/2007           | PAPER  |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

|                              |                               |                               |  |
|------------------------------|-------------------------------|-------------------------------|--|
| <b>Office Action Summary</b> | Application No.<br>10/042,910 | Applicant(s)<br>FALLON ET AL. |  |
|                              | Examiner<br>Mylinh Tran       | Art Unit<br>2179              |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 31 January 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-7,10-14,16-29 and 31-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-2, 4-7, 10-14, 16-29 and 31-43 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/31/07 has been entered.

Claims 1, 17, 26, 31 and 35 have been amended. However, the limitation of the amended claims have not been found to be patentable over prior art of record and newly discovered prior art; therefore, claims 1-2, 4-7, 10-14, 16-29 and 31-43 are rejected under the new ground of rejection as forth below.

### ***Specification***

Claims 35-43 are objected to because of the following informalities: the present specification does not define "computer program product" as claimed.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 101***

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 35-43 are rejected under 101 rejection for the following reason.

On claim 35, the present specification does not clearly define "computer program product".

Based on paragraphs 0017 and 0110 in the specification, the computer program product appears to include program modules embodied in signals propagated on a carrier wave which is considered to be non-statutory subject matter.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1, 2, 4-7, 10-14, 16-26 and 31-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuiawa et al. [US. 2003/0033550] in view of Hammond et al. [US. 6,865,685].

**As to claims 1, 17, 26, 31 and 35,** Kuiawa et al. disclose a computer implemented method and corresponding an apparatus for providing information about the occurrence of at least one predetermined event associated with an uninterruptible power supply in operable communication with the system comprising the steps/means for a worker module configure to determine whether the predetermined event (first condition) has occurred (page 4, 0034, Kuiawa cites "if the application program detects abnormalities in one or more UPS devices, the application program causes the operating system to generate pertinent GUIs in the manner as describes with respect to FIGS. 3-8 to alert the user of the abnormalities."); a user interface (figure 6) module responsive to the determination of the worker module, the user interface module configured to generate a user interface providing information relating to the predetermined event (figure 6, pages 2-3, 0025).

Kuiawa et al. also teach the user interface comprising at least one of a graphical portion and an alphanumerical portion (figure 6, 604 ("Warning symbol" is a graphical portion), (634 is an alphanumerical)), the user interface concurrently providing multiple pieces of information (Kuiawa discloses plural pieces of information such as "warning: descriptions blackout" (634), "recommendations: check battery" (634)) of area 604) regarding multiple characteristics (multiple characteristics are disclosed at section (604), figure 6 such as "warning: description blackout", "recommendations: check battery" and "further recommendations: [www.apcc.com](http://www.apcc.com)") of at least one of operation of the

single UPS and connectivity of the system with the single UPS (the UPS is highlighted one is selected among multiple UPS devices); wherein the user interface has a size substantially similar to a size of a toolbar (the graphical user interface window 600 of figure 6);

Kuiawa et al. teach the multiple characteristics being at least two of battery capacity, time to shutdown, and on-line/on-battery status (page 4, 0034).

Kuiawa et al. fail to clearly teach the user interface module generating the user interface automatically upon occurrence of the predetermined event. However, Hammond et al. show the step of automatically generating a user interface upon occurrence of the predetermined event at column 2, line 45 through column 3, line 23.

It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Hammond of automatically generating the GUI with the Kuiawa's system. Motivation of the combination would have been to save a user's action to monitor the UPS on the GUI.

**As to claim 2**, Kuiawa et al. also disclose the UPS having at least one operating parameter and wherein the information relating to the predetermined event comprises information relating to the at least one operating parameter of the UPS (Kuiawa cites "The UPS devices monitoring application program communicates with each UPS device managed to gather various information such as voltage thresholds, power failure, battery threshold, network communication status" on page 4, 0034).

**As to claim 4**, Kuiawa et al. also teach the event having a duration and wherein the user interface module generates a user interface for at least the duration of the predetermined event (0029).

**As to claims 5 and 18**, Kuiawa et al. show the predetermined event being an event relating to UPS communication status (0025, connecting).

**As to claim 6**, Kuiawa et al. also show the predetermined event being an event relating to UPS battery status (0031).

**As to claim 7**, Kuiawa et al. demonstrate the user interface comprising at least one of a UPS status monitor, a system tray icon, an event notifier, and a balloon notifier (page 1, 0004).

**As to claims 10 and 24**, Kuiawa et al. also provide a memory storing information relating to at least one of the predetermined event and the operating parameter of the UPS (0020).

**As to claims 11 and 23**, Kuiawa et al. disclose the user interface further comprising a control that enables a user to perform a function based on the information in the user interface (0028-0030).

**As to claims 12, 22 and 37**, Kuiawa et al. also disclose the worker module monitoring the operating parameter of the UPS and the user interface module dynamically updates at least a portion of the user interface to reflect a change in the operating parameter (0029).

**As to claim 13**, Kuiawa et al. show the worker modules receiving information from the UPS relating to an operating parameter of the UPS (0017-0019).

**As to claim 14**, Kuiawa et al. also show the user interface module displaying a user interface providing context-sensitive information relating to an operating parameter of the UPS (battery threshold, figure 6).

**As to claim 16**, Kuiawa et al. also teach the user interface module generating the user interface upon receipt of a command (0022 and 0034).

**As to claims 19 and 38**, Kuiawa et al. provide ceasing to display the indicator upon occurrence of a second condition (0026, Kuiawa cites "the status window will list the power failure as the cause of the warning state").

**As to claim 20**, Kuiawa et al. also provide the second condition comprising a condition selected from the group consisting of receiving a second command, cessation of the first condition, and change in the first condition (page 3, 0026, Kuiawa et al. cite "When the listed UPS device is highlighted, the status window displays a chronology of events that caused the listed UPS device to be diagnosed in a certain state....if a listed UPS device has been subjected to a power failure, the UPS device would be placed in a warning state due to the power failure. And the status window will list the power failure as the cause of the warning state).

**As to claim 21**, Kuiawa et al. also provide displaying at least one indicator conveying only information related to the first condition (0025-0026).



**As to claim 25**, Kuiawa et al. demonstrate displaying the stored information (figure 6).

**Claim 32**, Kuiawa et al. teach means for controlling a function related to the information that is displayed (figure 6).

**As to claims 33 and 36**, Kuiawa et al. also demonstrates means for displaying the user interface to a user (figure 6).

**As to claim 34**, Kuiawa et al. discloses means for determining the duration of the predetermined event (0028-0029).

**As to claim 39**, Kuiawa et al. disclose the user interface being configured to be visually distinct from adjoining portions of a display (figure 6).

**As to claim 40**, Kuiawa et al. teach the multiple pieces of information relate to at least two ob battery capacity, time to shutdown, and on-line/on-battery status (page 4, 0034).

**As to claims 41-43**, Kuiawa et al. teach the user interface having a width and a height substantially similar to a width and a height of the toolbar; the user interface including first and second selectable portions; and the user interface module being configured to cause the user interface to be displayed on a display and to be size and disposed on the display to substantially unobtrusive to a user of the display (figure 6, pages 3-4, 0033-0034).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 27-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuiawa et al. [US. 2003/0033550] in view of Hammond et al. [US. 6,865,685].

**As to claim 27**, Kuiawa et al. disclose determining whether the event has occurred by alerting the user when it occurs. Kuiawa et al. in view of Hammond et al. fail to clearly teach an alarm to the user during the duration of the event to notify the user that the event has occurred. However, Official notice is taken that implementation of notifying the user that the event has occurred by the alarm to the user during the duration of the event was well known in the computer art. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the well known implementation of notifying the user with Kuiawa's teaching of pertinent GUIs to alert the user of an abnormalities. Motivation of the combination would have been to notice the user by a warning signal.

**As to claim 28**, Kuiawa et al. in view of Hammond et al. fail to teach displaying a control in the user interface that enables the alarm to be muted. However, Official Notice is taken that implementations of the alarm to be muted are well known in the art. In light of the rejection set forth above, it would have been obvious to one of skill in the art, at the time the invention was made, to combine

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the well know implementations of the alarm of Kuiawa. Motivation of the combine is for the user to control the alarm if she/he does not want it to notify the user.

**As to claim 29**, Kuiawa et al. shows ceasing to display the user interface when the event is no longer occurring (0028-0029).

### ***Response to Arguments***

Applicant's arguments with respect to claims 1, 17, 26, 31 and 35 have been considered but are moot in view of the new ground of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4141.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo, can be reached at 571-272-4847.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mylinh Tran

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**WEILUN LO**  
**SUPERVISORY PATENT EXAMINER**